## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applic	ant: Williams	)
• •		) Examiner:
Serial :	No.:	)
		) Art Unit:
Filing	Date:	)
		)
Title:		IZER HAVING PLL WITH AN ANALOG PHASI
	DETECTOR	

## INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Box 1450 Alexandria, VA 22313-1450

Dear Sir:

Applicant, in accordance with his duty of disclosure pursuant to 37 C.F.R. § 1.56, hereby advises the United States Patent and Trademark Office of the references listed on the accompanying form PTO/SB/08. Copies of the non-US patent references are also enclosed.

Applicant notes that although the cited references may be relevant to the examination of the above-referenced application, under 37 C.F.R. § 1.97(h), the filing of this *Information Disclosure Statement* "shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in § 1.56(b)."

Respectfully submitted,

Date: Nov. 14,203

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO	Application Number			
	Filing Date			
INFORMATION DISCLOSURE	First Named Inventor	A. David William		
STATEMENT BY APPLICANT	Art Unit			
	Examiner Name			
(use as many sheets as necessary)				
Sheet 1 of 2	Attorney Docket Number	030772		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.1	Document Number  Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		US 6,622,010 B1	Sep. 16, 2003	Ichimaru		
	1	US 6,608,529 B2	Aug. 19, 2003	Franca-Neto		
		US 6,603,360 B2	Aug. 5, 2003	Kim et al.		
		US 6,600,378 B1	Jul. 29, 2003	Patana		
		US 6,597,250 B2	Jul. 22, 2003	Jovenin		
		US 6,593,783 B2	Jul. 15, 2003	Ichimaru		
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		US 6,553,089 B2	April 22, 2003	Huh et al.		
		US 6,549,765 B2	Apr. 15, 2003	Welland et al.		
		US 6,515,525 B2	Feb. 4, 2003	Hasegawa		
		US 6,441,692 B2	Aug 27, 2002	Nakatani et al.		
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		FOREIGN F	PATENT DOCL	JMENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Т
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				Examiner Name		
(use a	s many sheets a	as nece	ssary)			
Sheet	2	of	2.	Attorney Docket Number	030772	
	OTHER	PRIOR	ART NO	N PATENT LITERATURE	DOCUMENTS	

	OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published					
		Analog Devices, "RF PLL Frequency Synthesizers," 2003.					
	-	Analog Devices, "400 MSPS 14-Bit, 1.8 V CMOS Direct Digital Synthesizer," 2003.					
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